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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/533,316	04/29/2005	Hermanus Bernardus Maria Lenting	1328-17	5300

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EXAMINER	
ARIANI, KADE	
ART UNIT	**PAPER NUMBER**
1651	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	02/27/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)	
	10/533,316	LENTING, HERMANUS BERNARDUS MARIA	
	Examiner	Art Unit	
	Kade Ariani	1651	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☐ Claim(s) 1-21 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) 1,2,4-9,12-21 is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

The preliminary amendment filed on 04/ 29/2005, has been received and entered.

Claims 1-21 are pending in this application and were examined on their merits.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 2, 4-9, 12, 13 and 15-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Tzanov et al. (Enzyme and Microbial Technology, 2001, Vol. 29, p.357-362).

Claims 1, 2, 4-9, 12, 13 and 15-21 are drawn to a method for treating a cellulosic grey fabric, comprising the following steps: (a) a pretreatment step in which, in the presence of water, at a temperature of 60-100°C, the fabric is contacted with a

thermostable enzyme which degrades starch; and (b) an integrated desizing and scouring step in which, in the presence of water, at a temperature of 70°C at the most, the fabric as obtained in step (a) is contacted with an enzyme which degrades a polymeric component of the primary cell wall of cotton and an enzyme which degrades starch, a method wherein, in steps (a) and (b), the enzyme which degrades starch is an amylase, wherein the enzyme which degrades starch is an α-amylase, a method wherein, in step (b), the enzyme is chosen from the group of cellulase, protease and/or pectinase, a method wherein the pectinase is a polygalacturonate lyase, a method wherein steps (a) and (b) are carried out in the presence of a surfactant, wherein step (b) is carried out at a temperature of 30-60°C, a method wherein steps (a) and (b) are carried out at a pH of 7.5-9.5, a method according to claim 1, wherein the fabric obtained in step (b) is subjected to a washing treatment which is carried out at a temperature of 60-100-°C in the presence of a surfactant, a method wherein between step (b) and the subsequent washing treatment, the fabric is subjected to a treatment in which the mass transport of fabric components to be washed away is promoted, a method wherein the washed fabric is subsequently bleached, a method wherein the fabric is a woven cotton fabric, fabric manufactured according to the method of claim 1, use of a fabric as obtained using the method according to claim 1 for manufacturing textile products, a textile product manufactured from a fabric treated using the method according to claim1.

Tzanov et al. discloses a method wherein the claim recited method is used to treat woven grey cotton fabrics (p. 357, Col.2, 2nd paragraph, Lines 2-3), fabrics are

pretreated in the presence of water and a thermostable α-amylase at 70°C and pH 5.0 (p.358, Material & Methods), fabrics were scoured with an alkaline pectinase at pH 8.0 at 40°C, a polygalactorunase lyase, in the presence of a surfactant (p.358, Enzymatic scouring, lines 1-8) an enzymatic desizing-scouring-bleaching process (a continuous process) (p. 361, Col.2, last 3 lines), mass transport of fabric components to be washed as fabrics were removed boiled, washed thoroughly and dried (p.358, Col.1, last paragraph and Col.2 , 1st line), fabrics were bleached (p.358, Col. 2, 4th paragraph), preparation of cotton (p.357, Introduction), textile material and textile processing (p. 357, Introduction, Col.2, Lines 12 and 15-16). Tzanov et al. therefore clearly anticipates the claimed invention.

Claims 1, 2, 4-9, 12-21 are rejected under 35 U.S.C. 102(e) as being anticipated by Xu et al. Patent No. 2003/0041387 A1.

As mentioned immediately above, Xu et al. discloses a method to treat cellulosic materials (p. 2, 0016), a method wherein woven cotton fabrics are pretreated by contacting with a combination of hot water, the enzyme α-amylase and a surfactant (p.1, 0004 and 0007) a method wherein the desizing enzyme is added simultaneously with the bioscouring enzyme (claim 37), a thermostable α-amylase (p.2, 0019) at a temperature between 45°C and about 65°C (p.6, 0055) and pH between 8.0-9.0 and fabric is exposed to the enzyme solution for 5 min (p.6, 0054, 0055), fabrics were scoured with a pectinase, polygalacturonase (p.3- 4, 0023), at pH 8.0 (p.3, 0025) at 55°C (p.6, 0059), a polygalactorunase lyase, in the presence of a surfactant, also surfactant in the wash liquid (p.5, 0047) a continuous process (p.6, Col.2, 0054),

scouring solution was drained (mass transport of fabric components to be washed) and replaced with water (wash) (p.7, 0067), fabrics were bleached (p.6, 0059 and 0061), a textile product, manufacturing of textiles (p.1, 0003, 0004 and 0006). Xu et al. therefore clearly anticipates the claimed invention.

No claims allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kade Ariani whose telephone number is (571) 272-6083. The examiner can normally be reached on 9:00 am to 5:30 pm EST Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Wityshyn can be reached on (571) 272-0926. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kade Ariani
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Art Unit 1651

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